

1 **DNA Kindergarten**

Lesson 2

Ethnicity

2 **Review – Lesson #1**

- Genealogy family relationships vs Genetic family relationships
- DNA, chromosomes and segments
- Kinds of DNA – mtDNA, YDNA, atDNA
- Where we get our DNA
- How DNA is shared
- Shared Centimorgan (cM) charts

3 **Lesson #1 Review - Handouts**

- Lesson #1 Outline
- Cousin Tree
- Shared cM Project chart
- atDNA Inheritance worksheet

4 Acronym List of terminology worksheet5 List of Genetic Genealogy books (recommended reading)7 **Ethnicity or Admixture Estimates**

- Definition: the fact or state of belonging to a social group that has a common national or cultural tradition
- Wikipedia lists almost 500 different ethnic groups
- With DNA, Ethnicity refers to what country or social group you hail from
- Least precise and least accurate
- Most accurate at continental level
- Boundaries change over time

9 **Ethnicity**Compares you to group of people with known ancestry

Ethnicity means "I have this % of DNA in common with the native people of ____"

10 **Ethnicity sources**11 **Ethnicity – Reference panel**

- A group of living people with known ancestry to which you are compared
- All four grandparents originate from the same non-colonial geography
- Also survey people that form their own genetic populations separate from geography of origin (i.e., Ashkenazi Jewish, Basque and others)

- 20 **What are your Surnames?**
 Impacted by:
 Timeframes
 Categories
- 13 Company Comparisons of Ethnicity Results
- 15 **Other Ethnicity Results**
 Communities (Ancestry)
 Shared matches
 People in your tree
 Migration timeline
 World Ethnicity by Location (My Heritage)
 Chromosome Painting (23andMe and GEDmatch)
- 16 **Who are your Ancestors and where did they come from?**
 % of DNA shared at each generation level
 How many Ancestors do you know (worksheet)?
- 18 **Comparing sibling ethnicity**
- 19 **Ethnicity resources**
 Native American - *DNA Explained blog on Native American inheritance* – by Roberta Estes
 Jewish–*JewishGen.org, Tracing the Tribe* on Facebook
 Free estimates of your ethnicity–
 Transferring your DNA to other testing sites
 Admixture utilities at GEDmatch
 YDNA and mtDNA tests for ancient origin
- 21 **What are your Surnames (worksheet)?**
 - Pedigree collapse
 - Endogamy
 - Patronymic naming
- 22 **Example of using a match's ethnicity results**
- 25 **Webinar Series**
 Lesson 1 – Intro and DNA Science
 Lesson 2 - Ethnicity
 Lesson 3 - Using your DNA
 Lesson 4 - Shared Matches
- 26 **Questions on Ethnicity?**